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UNITED STATES FORCES, KOREA

UNIT #15237

APD AP 96205-0010

\*USFK Reg 115-1

USFK Regulation  
No. 115-1

13 November 1995

(Effective: 27 November 1995)

Climatic, Hydrological, and Topographic Services  
DISSEMINATION OF USFK AREA WEATHER ADVISORIES AND  
TROPICAL CYCLONE PROCEDURES FOR THE REPUBLIC OF KOREA

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**SUPPLEMENTATION:** Issue of further supplements to this regulation by subordinate commands is prohibited unless prior approval is obtained from HQ USFK, ATTN: FKJ2-PO-SWO, Unit #15237, APO AP 96205-0010.

**INTERNAL CONTROL SYSTEM.** This regulation does not contain management control provisions.

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1. **PURPOSE.** Timely notification of adverse weather is essential for protecting military resources. This regulation establishes responsibilities for disseminating United States Forces Korea (USFK) area weather advisories and tropical cyclone conditions of readiness (CORS).

2. **APPLICABILITY.** This regulation applies to all USFK component and subordinate commands.

3. **REFERENCES.**

a. Required publication. USCINCPACINST 3140.1 (Tropical Cyclone Operations Manual). Cited in subparagraph 5b(2).

b. Related publication. PACAFR 105-2 (Tropical Cyclone Reconnaissance).

4. **EXPLANATION OF ABBREVIATIONS AND TERMS.** Abbreviations and terms used in this regulation are explained in the glossary.

5. **RESPONSIBILITIES.**

a. The 607th Weather Squadron will--

(1) Provide environmental support by issuing area weather advisories and tropical cyclone COR to Command Center (CC) Seoul.

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\*This regulation supersedes USFK Reg 115-1, 2 February 1994.

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(2) Area weather advisories are issued as a result of expected occurrences of certain weather conditions and may not be associated with tropical cyclones. Area weather advisories will be issued when the following weather conditions are forecast to occur over the Korean peninsula:

- (a) Tornadoes.
- (b) Hail, 1/2-inch or more in diameter.
- (c) Surface winds equal to or greater than 30 knots, but less than 45 knots.
- (d) Surface winds equal to or greater than 45 knots.
- (e) Snow/rain accumulation of 2 inches or more within a 12-hour period.
- (f) Rainfall accumulation of 5 inches or more within a 24-hour period.
- (g) Freezing precipitation.
- (h) Surface temperature below 0 degrees Fahrenheit or -18 degrees Celsius.
- (i) Surface windchill temperature below -20 degrees Fahrenheit or -29 degrees Celsius.

(3) Tropical cyclone COR for the Republic of Korea (ROK) will be issued when winds greater than 50 knots (including gusts) are forecast to occur anytime during the next 72 hours. Appendix A describes the CORs.

(a) The CORs are based on the latest Joint Typhoon Warning Center (JTWC) forecast and the input from USFK weather unit forecasters.

(b) Tropical cyclone discussion bulletins for the ROK will be issued at 6-hour intervals. Bulletins will be disseminated worldwide via the Air Force Automated Weather Network and hand-delivered locally to CC Seoul. Appendix B shows an example of a COR provided to CC Seoul.

(c) Prepare and disseminate a plain-language, tropical cyclone information bulletin to the American Forces Korea Network (AFKN), Yongsan Army Installation.

b. All USFK weather units will--

(1) Monitor all tropical cyclones that threaten the ROK and plot the JTWC tropical cyclone forecast positions for all tropical cyclones within, or forecast to come within, 300 NM of the ROK during the next 72 hours.

(2) Take special observations in accordance with USCINCPACINST 3140.1.

(3) Participate in conference calls initiated by the Theater Forecast Unit (TFU) to discuss the JTWC tropical cyclone forecast and the expected weather conditions associated with the tropical cyclone over their respective areas of forecast responsibility. Appendix C describes the geographical regions used by USFK weather forecasters when issuing a COR.

(4) Brief the 607 WS consensus forecast as the official tropical cyclone forecast for the ROK.

(5) Ensure local military commanders are informed of the latest tropical cyclone COR.

(6) If necessary, issue local weather warnings for their area(s) of responsibility.

(7) Ensure their local forecasts are consistent with the current tropical cyclone COR issued by CC Seoul and the contents of the TFU's tropical cyclone discussion bulletin.

c. Upon receipt of an area weather advisory or tropical cyclone warning, CC Seoul will notify the following agencies:

- (1) 34th Support Group.
- (2) 19th Theater Army Area Command.
- (3) 2d Infantry Division.
- (4) United States Naval Forces, Korea.
- (5) 7th Air Force Senior Duty Officer.
- (6) 17th Aviation Brigade.
- (7) Address indicator groups 820 and 822.
- (8) CC Seoul ROK Duty Officer.

d. AFKN will broadcast Korea-wide tropical cyclone warnings.

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e. Component and subordinate commanders will establish procedures to safeguard their personnel and equipment against adverse environmental conditions. Units requiring notification of weather advisories and tropical cyclone COR should coordinate with the appropriate agency listed in subparagraph 5c(1) thru 5c(8) to ensure receipt through their chain of command.

**6. POLICY.** The JTWC is responsible for monitoring and forecasting tropical cyclone development and movement. The USFK weather units are responsible for providing local installation commanders with the final, locally refined forecast of the expected onset, speed, and duration of winds and other tropical cyclone-associated weather phenomena that will affect their installations.

**7. REQUIREMENT CONTROL SYMBOL ASSIGNMENT.** These information requirements are exempt from a Requirement Control Symbol in accordance with AR 335-15, subparagraph 5-2c(4).

The proponent of this regulation is the Office of the Assistant Chief of Staff, J2. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to the Commander, USFK, ATTN: FKJ2-PO-SWO, Unit #15237, APO AP 96205-0010.

FOR THE COMMANDER:

OFFICIAL:

RICHARD F. TIMMONS  
Lieutenant General, USA  
Chief of Staff

  
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**3 Appendixes**

- A. Conditions of Readiness
- B. Example of COR Package  
    Provided to CC Seoul
- C. Description of Geographical  
    Forecast Regions used by USFK  
    Weather Forecasters

**Glossary**

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- 2 - 607 COS, Osan AB, Korea
- 2 - 8 OSS, Kunsan AB, Korea

APPENDIX A

CONDITIONS OF READINESS

The COR is an alert status established to provide an approximate timetable of an approaching tropical cyclone. The CORs specify the geographical area(s) of the ROK to be alerted, are announced through the tropical cyclone warning issued by CC Seoul, and are divided into the following classifications:

- a. Tropical Cyclone COR ONE. Winds greater than or equal to 50 knots (including gusts) are occurring or are forecast to affect the designated area(s) within 12 hours.
- b. Tropical Cyclone COR TWO. Winds greater than or equal to 50 knots (including gusts) are forecast to affect the designated area(s) within 24 hours.
- c. Tropical Cyclone COR THREE. Winds greater than or equal to 50 knots (including gusts) are forecast to affect the designated area(s) within 48 hours.
- d. Tropical Cyclone COR FOUR. WINDS greater than or equal to 50 knots (including gusts) are forecast to affect the designated area(s) within 72 hours.

APPENDIX B

EXAMPLE OF COR PACKAGE PROVIDED TO CC SEOUL

DATE: 23 SEP 95  
VALID TIME: 230000Z

SUBJECT: TYPHOON JULIA CONDITION OF READINESS (COR), BULLETIN #5

1. THE FOLLOWING INFORMATION IS BASED ON THE LATEST FORECAST (05W29) FROM THE JOINT TYPHOON WARNING CENTER. TYPHOON JULIA IS CURRENTLY 32.3N, 127.8E, OR APPROXIMATELY 70NM EAST-SOUTHEAST OF CHEJU-DO.

2. CORs IN EFFECT:

A. COR ONE (1) IS IN EFFECT FOR CHEJU-DO AND ADJACENT WATERS. COR ONE (1) IS ALSO IN EFFECT FOR THE ALL OF REGION 5, SOUTHEASTERN 6 (INCLUDING TAEGU), AND THE SOUTHERN HALF OF REGION 7.

3. DEFINITIONS:

COR ONE (1): WINDS GREATER THAN OR EQUAL TO 50 KNOTS (INCLUDING GUSTS) ARE EXPECTED WITHIN 12 HOURS.

4. PRESENT POSITION: AT 23/0000Z (23/0900L), TYPHOON JULIA WAS LOCATED NEAR 32.3N, 127.8E, OR APPROXIMATELY 70 NM EAST-SOUTHEAST OF CHEJU-DO. THE STORM WAS MOVING TOWARD THE NORTH AT 16 KTS. MAXIMUM WINDS WERE 90 KNOTS GUSTING TO 110 KNOTS. STRONG WINDS ARE ALREADY OCCURRING AT CHEJU-DO AND ARE EXPECTED TO INCREASE OVER THE NEXT SEVERAL HOURS. STRONG WINDS AND RAIN WILL BEGIN ALONG THE SOUTH COASTAL AREAS SHORTLY, WITH WINDS GREATER THAN 60 KNOTS EXPECTED BY 0900Z (1800L) SUNDAY EVENING.

5. 24-HOUR POSITION: BY 24/0000Z (24/0900L), MONDAY MORNING, THE FORECAST POSITION IS 38.2N, 129.8E, MOVING TO NORTHEAST AT 18 KNOTS. MAXIMUM WINDS ARE FORECAST TO BE 80 KNOTS GUSTING TO 100 KNOTS. WINDS WILL BEGIN TO SUBSIDE AT CHEJU-DO AND PORTIONS OF THE SOUTHERN COASTAL AREAS. STRONGEST WINDS AT THIS TIME CAN BE EXPECTED ALONG THE EASTERN COASTAL AREAS.

6. 48-HOUR POSITION: BY 25/0000Z (25/0900L), TUESDAY MORNING, THE FORECAST POSITION IS 44.3N, 137.6E, MOVING TO EAST-NORTHEAST AT 25 KNOTS. MAXIMUM WINDS ARE FORECAST TO BE 60 KNOTS GUSTING TO 75 KNOTS.

7. 72-HOUR POSITION: BY 26/0000Z (26/0900L), WEDNESDAY MORNING, THE FORECAST POSITION IS 48.0N, 151E. MAXIMUM WINDS ARE FORECAST TO BE 40 KNOTS GUSTING TO 50 KNOTS.

8. THE USFK THEATER FORECAST UNIT WILL UPDATE THIS BULLETIN AT 23/1100Z (23/2000L) UNLESS THE FORECAST CHANGES SIGNIFICANTLY PRIOR TO THAT TIME. UNITS SHOULD CONTINUE TO MONITOR AFKN RADIO AND TV FOR UPDATED STORM INFORMATION. PLEASE REFRAIN FROM TELEPHONING THE COMMAND CENTER OR THE WEATHER STATION AS UPDATED INFORMATION IS DISSEMINATED AS NECESSARY.

## APPENDIX C

DESCRIPTION OF GEOGRAPHICAL FORECAST REGIONS USED BY  
USFK WEATHER FORECASTERS

**Region 1.** Northwest section (includes Seoul, Inchon, and the 2d Infantry Division): CT610400\* to CS570320 to CS000300 then north along the coast to the demilitarized zone (DMZ) and then back to CT610400.

**Region 2.** North Central Interior (includes Chunchon, Wonju, and Chungju): DT320470 to DS910200 to CR800150 to CS570320 to CT610400 then along the DMZ back to DT320470.

**Region 3.** Central West Coast (includes Osan, Taejon, and Kunsan): CS000300 to CS570320 to CR800150 to BQ900740 then north along the coast back to CS000300.

**Region 4.** Southwest Coast (includes Chonju and Kwangju): BQ900740 to CR800150 to CQ450000 to BP700320 then north along the coast back to BQ900740.

**Region 5.** South Coast (includes Sachon, Chinhae, and Pusan): BP700320 to CQ450000 to DQ920480 to EQ450500 then along the coast back to BP700320.

**Region 6.** Central Interior (includes Andong, Namweon, and Taegu): CR800150 to CQ450000 to DQ920480 to DS910200 and then back to CR800150.

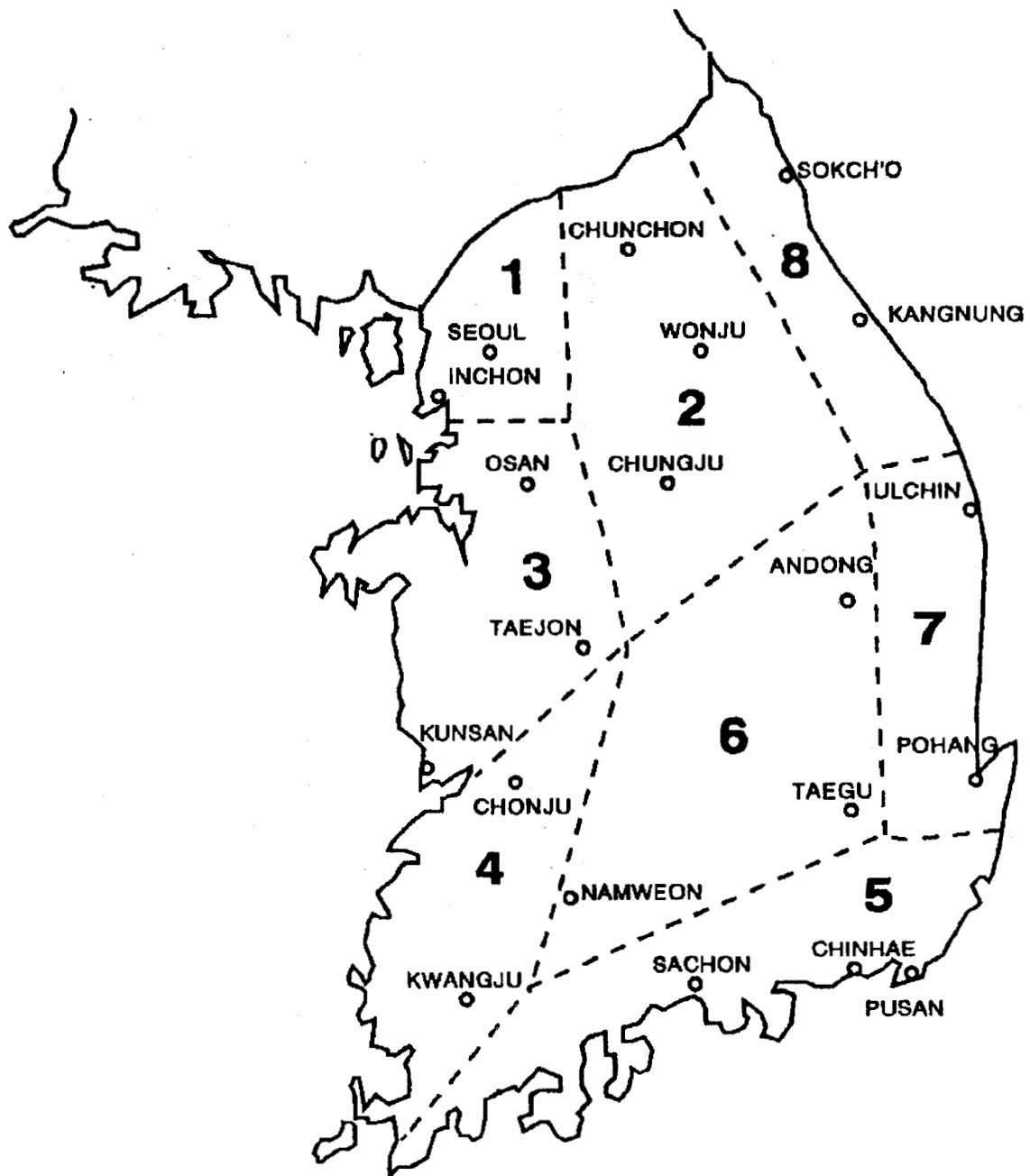
**Region 7.** Central East Coast (includes Ulchin and Pohang): ES300230 to DS910200 to DQ920480 to EQ450500 then north along the coast to ES300230.

**Region 8.** Northeast Coast (includes Sokcho and Kangnung): ES300200 to DS910200 to DT300470 then along the DMZ to the east coast then south along the coast back to ES300200.

\*Military Grid Reference System (MGRS) Coordinates



MAP OF GEOGRAPHICAL FORECAST REGIONS USED BY  
USFK WEATHER FORECASTERS



## GLOSSARY

## Section I. ABBREVIATIONS

AFKN	American Forces Korea Network
CC	Command Center
COR	Condition of Readiness
DMZ	Demilitarized Zone
JTWC	Joint Typhoon Warning Center
ROK	Republic of Korea
TFU	Theater Forecast Unit
USFK	United States Forces, Korea

## Section II. TERMS

**Area Weather Advisory.** Forecast of weather conditions which pose a hazard to life or property. Area weather advisories are issued by the 607th Weather Squadron's TFU and are intended to advise appropriate commanders and staff weather officers. Since they are advisory products, the local staff weather officer is responsible for determining applicability and issuing warnings as appropriate.

**Joint Typhoon Warning Center (JTWC).** A joint United States Navy/United States Air Force entity under the command of the Naval Oceanography Command Center, Guam, responsible for issuing tropical cyclone warnings for the United States Pacific Command area west of 180 degrees longitude.

**Knot.** A unit of wind speed equal to one nautical mile per hour, or approximately 1.15 statute miles per hour.

**Maximum Sustained Wind.** The highest surface wind speed of a cyclone averaged over a 1-minute period.

**Super Typhoon.** A tropical cyclone in which the maximum sustained surface wind speed is 130 knots or greater.

**Tropical Cyclone.** A general term for an area of low pressure that originates over the tropical oceans. Tropical depressions, tropical storms, typhoons, and super typhoons are all tropical cyclones.

**Tropical Depression.** A tropical cyclone in which the maximum sustained surface wind speed is 33 knots or less.

**Tropical Storm.** A tropical cyclone in which the maximum sustained surface wind speed is between 34 and 63 knots, inclusive.

**Typhoon.** A tropical cyclone located west of 180 degrees longitude in which the maximum sustained surface wind speed is between 64 and 129 knots, inclusive.

**Wind Gust.** A rapid fluctuation in wind speed, lasting for less than 1 minute, with a variation of 10 knots or more between peaks and lulls.